



भारत का वाचनपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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नई दिल्ली, शनिवार, जून 13, 1998 (ज्येष्ठ 23, 1920)

No. 24]

NEW DELHI, SATURDAY, JUNE 13, 1998 (JYAISTHA 23, 1920)

इस भाग में भिन्न पृष्ठ संलग्न हो जाती है कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—छापड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा आरी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
(Notifications and Notices Issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 13th June 1998

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Ph. No. 578 2532 Fax No. 011-5766204.

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Besant Nagar, Chennai-600 090.

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and Aminidivi Islands.

Telegraphic address "PATENTOFIC".
Ph. No. 490 1495 Fax 044-4901492.

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th & 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
Ph. No. 247 4401 Fax 033-2473851.

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पेटैंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 13 जून 1998

पेटैंट कार्यालय के कार्यालयी के पात्र एवं अधिकारी

पेटैंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा यूनिवर्सिटी, दिल्ली एवं चैन्स्ट हैं में इसके शास्त्र कार्यालय हैं, जिनके प्राधीनिक अधिकारी औन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटैंट कार्यालय शास्त्रा, टॉडो हस्टेट,
तीसरा तल, लोकर पर्सेन (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, भृष्णु प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता-“पेटैंटिफिस”

फोन 4925092 फैक्स : 0224950622

पेटैंट कार्यालय शास्त्रा,
गणक में १११ में ४०५, तीसरा तल,
नगरपालिका वाजार भवन,
सरस्वती घार, करोल बाग,
मुम्बई-दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, झज्जू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता-“पेटैंटिफिस”

फोन : 5782532 फैक्स : 011-5766204

CORRIGENDUM

In the Gazette of India, Part-III, Sec.-2, dated the 22nd November, 1997, In Page 1579, Col.-2 for application for Patent No. 650/Cal/92 (179741) filed on 9th September, 1992 read Patent of Addition No. 72/Cal/92 dated 3rd Feb., 1992 instead of Divided out of No. 72/Cal/92 antdated to 3rd February, 1992.

APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent bracketed are the dates claimed under section 135, under Patent Act, 1970

17-04-1998

657/Cal/98. SYNTHELABO, "Pharmaceutical composition for gastric residence". (Convention No. 9704803 on 18-04-1997 in France).

658/Cal/98. SYNTHELABO, "5-Aryl-3-(8-Azabicyclo (3.2.1.) OCT-3-YL)-1, 3, 4-Oxadiazol-2(3H)-One Derivatives, their preparation and their therapeutic application". (Convention No. 9704802 on 18-4-97 in France).

659/Cal/98. SURFACINE (R) DEVELOPMENT CORPORATION, LLC, and BIO POLYMERIX, INC. "Contact-Killing non-leaching antimicrobial materials".

660/Cal/98. EUROMAC S.R.L., "Device for converting punch changing in punching machines from

पेटैंट कार्यालय शास्त्रा,

दिंग सी (सी-4, ए)

तीसरा तल, गोआ भवन बसन्त नगर,

चैन्स्ट-600090।

अन्ध्र प्रदेश, कर्नाटक, कर्नल, हैमिलनडि-
तथा पाण्डितर्चेरी राज्य क्षेत्र एवं
नंब शासित क्षेत्र, लक्ष्मीपुर, मिनिकाय
तथा एमिनिदिवि द्वीप।

तार पता-“पेटैंटिफिस”

फोन : 4901495 फैक्स : 044-4901492

पेटैंट कार्यालय (प्रधान कार्यालय)

निषाम पैलेस, दिल्ली राज्य कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस घार,
कलकत्ता-700 020.

भारत का अवशेष लोग।

तार पता - “पेटैंटिस”

फोन : 2474401 फैक्स : 033-2473851

पेटैंट अधिनियम, 1970 या पेटैंट नियम 1972 में
अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रतीक्षा पेटैंट
कार्यालय के केवल उपयोग कार्यालय में ही प्राप्त किए जायेंगे।

गल्क : गल्क की अदायगी या ऐ नकद की जानी अथवा
जहाँ उपयोग कार्यालय उपयोग है, उस स्थान के अन्तर्वित
बैंक से नियंत्रक की भूगतान योग्य बैंक ड्रॉफ्ट अथवा चेक ब्लारा
की जा सकती है।

manual to quick and automatic". (Convention No. 9708930.4 on 1-5-97 in U.K.).

661/Cal/98. KURARAY CO. LTD., "Process for preparing polypropenols". (Convention No. 108687/1997 on 25-4-97 in Japan).

662/Cal/98. PERSTORP AB, "Apparatus for distribution of particles on paper process for providing paper with particles and particle coated paper". (Convention No. 9701466-6 on 21-4-97 in Sweden).

663/Cal/98. MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., "Deinterleaver". (Convention No. 09-118662 on 23-4-97 in Japan).

664/Cal/98. E. I. DU PONT DE NEMOURS AND COMPANY, "Recovery of polyester from contaminated polyester waste". (Convention No. 08/844,491 on 18-4-97 in U.S.A.).

665/Cal/98. EATON CORPORATION, "Gerotor motor and parking lock assembly therefor". (Convention No. 957,487 on 24-10-97 in U.S.A.).

666/Cal/98. 1. SIEMENS AKTIENGESELLSCHAFT 2. LAUSITZER BRAUNKOHLE AG., "Control system for a high capacity conveyor belt in industrial use". (Convention No. 19716907.4 on 22-4-97 in Germany).

667/Cal/98. 1. SIEMENS AKTIENGESELLSCHAFT 2. LAUSITZER BRAUNKOHLE AG., "Conveyor for opencast installations". (Convention No. 19716908.2 on 22-4-97 in Germany).

- 668/Cal/98. STOPINC AG, "Sliding gate valve for a vessel containing molten metal".
- 669/Cal/98. JOHNSON & JOHNSON INDUSTRIALE COMERCIO LTDA, "Nonwoven fabric of multi-layer, multi-denier fibers and absorbent article formed therefrom". (Convention No. PI 9701974-7 on 30-4-97 in Brazil).
- 20-04-1998
- 670/Cal/98. SHEKARIPURAM NARAYANASWAMY RAMACHANDRAN, "Automatic fibre testing system".
- 671/Cal/98. MICROBAN PRODUCTS COMPANY, and GILBERT PATRICK, "Antimicrobial filter cartridge". (Convention No. 08/8/7,080 on 17-6-97 in U.S.A.).
- 672/Cal/98. GLAXO GROUP LIMITED, "Therapeutic 1, 2, 3, 4-fenxydronisoquinolines". (Convention No. 9708119.4 on 22-4-97 in United Kingdom).
- 673/Cal/98. LOCTITE (R & D) LIMITED, "Material for sealing threaded pipe joints, and dispenser therefor". (Convention No. 970291 on 18-4-97 in Ireland).
- 674/Cal/98. Daussan Et Compagnie, "A device for filtering and treating molten metal". (Convention No. 9801634 on 11-02-1998 in France).
- 675/Cal/98. (1) E.I. Du Pont De Nemours and Company, (2) Commonwealth Scientific and Industrial Research "Method of macromonomer synthesis". (Convention No. 60/045,653 on 23-4-97 in U.S.A.).
- 676/Cal/98. Asta Medica AG, "Process for the preparation of pure nupirtine maleate and its a modification". (Convention No. 19716984.8 on 23-4-97 in Germany).
- 677/Cal/98. Samsung Electronics Co. Ltd., "Frequency converter used in a microwave system". (Convention No. 24037/1997 on 11-6-97 in Korea).
- 678/Cal/98. Voith Turbo GMBH & Co. KG., "Analysis apparatus or control unit". (Convention No. 19717190.7-35 on 24-4-97 in Germany).
- 679/Cal/98. Degussa Aktiengesellschaft, "Substituted polyvinyl natural polymers, a process for the preparation and the use thereof". (Convention No. 197 17 030.7 on 23-4-97 in Germany).
- 680/Cal/98. Satake Corporation, "Color-Sorting machine for granular materials". (Convention No. 09-120227 on 22-4-97 in Japan).
- 681/Cal/98. Windmoller and Holscher, "Process for controlling the speed for the impression cylinders of a printing machine". (Convention No. 19716943.0 on 22-4-97 in Germany).
- 682/Cal/98. Matsushita Electric Industrial Co. Ltd., "Radio communication apparatus and radio communication system". (Convention No. 9-323818 on 10-11-97 in Japan).
- 683/Cal/98. Matsushita Electric Industrial Co. Ltd., "CDMA Receiver". (Convention No. 09-124749 on 30-4-97 in Japan).
- 684/Cal/98. Matsushita Electric Industrial Co. Ltd., "Clock supply apparatus". (Convention No. 09-118661 on 23-4-97 in Japan).
- 685/Cal/98. Siemens Aktiengesellschaft, "Method for operating a gas turbine and gas turbine working accordingly". (Convention No. 19716721.7 on 21-4-97 in Germany).
- 686/Cal/98. Siemens Aktiengesellschaft, "Circuit array for generating a pseudo-random sequence". (Convention No. 19717110.9 on 23-4-97 in Germany).

- 687/Cal/98. Siemens Aktiengesellschaft, "Once-Through steam generator and method for starting up a once-through steam Generator". (Convention No. 197158.3 on 23-4-97 in Germany).
- 688/Cal/98. Siemens Aktiengesellschaft, "Fabrication method for a platinum-metal pattern by means of a lift-off process". (Convention No. 1971503.2 on 24-4-97 in Germany).
- 689/Cal/98. Siemens Aktiengesellschaft, "Mobile radio set". (Convention No. 19719908.9 on 13-5-97 in Germany).
- 21-04-1998
- 690/Cal/98. Dow Corning Corporation, "Thermoplastic silicone elastomers". (Convention No. 83/835 on 22-4-97 & 34089 on 3-3-98 in U.S.A.).
- 691/Cal/98. Herbert Bennett, "Gas range burner system". (Convention No. 08/943,818 on 21-4-97 in U.S.A.).
- 692/Cal/98. Intel Corporation, "Method and apparatus for cooling a semiconductor die". (Convention No. 08/830,267 on 14-5-97 in U.S.A.).
- 693/Cal/98. Davis, Joseph & Negley, "Preparation of copper-indium-gallium-diselenide precursor films by electrodeposition for fabricating high efficiency solar cells". (Convention No. 60/044,506 on 21-4-97 & 08/8/0,081 on 5-6-97 in U.S.A.).
- 694/Cal/98. Naba Kumar Bandopadhyay, "Moving platform escalator".
- 695/Cal/98. Patent-Treuhand-Gesellschaft Fur Elektrische Gluehlampen MBH, "Fluorescent lamp". (Convention No. 19718395.6 on 30-4-97 in Germany).
- 696/Cal/98. Litana Ltd., "Implantable medical device of shape memory alloy".
- 697/Cal/98. Hitachi Ltd., "An elevator door control apparatus". (Convention No. 9-128652 on 19-5-97 in Japan).
- 698/Cal/98. (1) Bacher Helmut; (2) Schuiz Helmut; (3) Wendelin Georg, "Process and apparatus for controlling the degree of tension of a gearing screw conveying a plasticized material". (Convention No. 693/97 on 23-4-97 in Austria).
- 699/Cal/98. Phillips Petroleum Company, "Process for the conversion of Hydro Carbons to olefins and aromatics". (Convention No. 08/842,465 on 5-5-1997 in United States of America).
- 700/Cal/98. Phillips Petroleum Company, "Improved zeolite material useful for conversion of non-aromatic hydrocarbons to aromatic and light olefins". (Convention No. 08/834646 on 12-5-97 in United States of America).
- 701/Cal/98. Kesri Metal Limited, "A method of making integrally flined tubes and a specially shaped flining tool therefor".
- 702/Cal/98. Eli Lilly & Co., "A process for benzothiophene compounds, intermediates and compositions". (Divided out of No. 359/Cal/96 dated 27-2-96)

(Convention No.)	Dates	Country
08/396401	28-02-1995	U.S.A.
08/552760	03-11-1995	U.S.A.
08/552890	03-11-1995	U.S.A.
08/552364	03-11-1995	U.S.A.
08/552565	03-11-1995	U.S.A.

- 703Cal/98. Tarim Associate for Scientific Mineral & for recovery of metals or purification of salts", for recovery of metals or purification of salts". (Convention No. 08/852,327 on 7-5-97 in U.S.A.).

22-04-1998

704/Cal/98. General Dynamics Land Systems, Inc., "Swashplate assemblies for infinitely variable hydrostatic transmissions". (Convention No. 08/848,619 on 29-4-97 in U.S.A.).

705/Cal/98. General Dynamics Land Systems, Inc., "Continuously variable hydrostatic transmission ratio controller capable of generating amplified stroking forces". (Convention No. 60/044,323 on 25-4-97 and 09/056,670 on 8-4-98 in U.S.A.).

706/Cal/98. Samsung Electronics Co. Ltd., "Controlling device of tunable filter". (Convention No. 97-21337 on 28-5-97 & 97-26103 on 20-6-97 in Republic of Korea).

707/Cal/98. ELF Atochem North America, Inc., "Copolymers of vinylidene fluoride and hexafluoropropylene having reduced extractable content and improved solution clarity". (Convention No. 09/031,014 on 26-2-98 in U.S.A.).

708/Cal/98. ELF Atochem North America, Inc., "Copolymers of vinylidene fluoride and hexafluoropropylene having reduced extractable content and improved solution clarity". (Convention No. 09/031,015 on 26-2-98 in U.S.A.).

709/Cal/98. Siemens Aktiengesellschaft, "Adhesive joint". (Convention No. 29708687.1 on 15-5-97 in Germany).

710/Cal/98. Clariant GMBH, "Process for the preparation of storage-stable granules comprising soil release polymers (SRP) and their use for the preparation of solid". (Convention No. 19718664.5 on 2-5-97 in Germany).

711/Cal/98. Metallgesellschaft Aktiengesellschaft, "Process for the thermal treatment of granular iron ORE prior to the reduction". (Convention No. 19718136.8 on 30-4-97 in Germany).

712/Cal/98. Krupp Werner & Pfleiderer GMBH, "Multi-Shaft screw-type extruder, in particular twin shaft extruder". (Convention No. 19718292.5 on 30-4-97 in Germany).

713/Cal/98. (1) Indian Jute Industries' Research Association, and (2) Institute Fur Angewandte Forschung, "A process for producing soft and fine jute fibres from raw jute".

23-4-1998

714/Cal/98. Goda Surya Narayan, "Sequential switching system".

715/Cal/98. Philips Electronics N. V., "Shaving head and shaving apparatus comprising the shaving head".

716/Cal/98. Phillips Electronics N. V., "Receiver for independent sideband signal". (Convention No. 9711903.6 on 10-6-97 in Great Britain).

717/Cal/98. Du Pont Lanxide Composites Inc., "Ceramic hot-gas filter and process therefor". (Convention No. 08/896,372 on 18-7-97 in U.S.A.).

718/Cal/98. Sungeric International Inc., "High pulp density fast setting and high early strength backfill method and material". (Convention No. 2,203,575 on 24-4-97 in Canada).

719/Cal/98. Hitachi Zosen Corporation, "Process and apparatus for removing acid gases from exhaust gases".

720/Cal/98. Elcor Corporation, "Hydrocarbon gas processing". (Convention No. 60/045,874 on 7-5-97 & 08/915,065 on 20-8-97 in U.S.A.).

721/Cal/98. Siemens Business Communication Systems, Inc., "Integrated hearing aid for telecommunications devices". (Convention No. 08/850,537 on 02-5-97 in U.S.A.).

722/Cal/98. Rynex Holdings, Ltd., "Biodegradable dry cleaning solvent".

723/Cal/98. Nova Gen, Inc., "Preparation of collagen".

724/Cal/98. Dr. Pradip Kumar Dutta and Mr. N. V. Ravi Kumar, "Preparation of cellulose-amine oxide solution for fibre preparation".

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Re. 2/-.

स्वीकृत सम्पूर्ण विविधांश

एवं देखा राय है कि सम्बद्ध वावेदनों में से किसी पर पट्टें अनुबान के विरोध करने के इच्छुक को हृष्टि, इसके तिर्यक की तिथि से बार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पट्टें नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियमक, एकत्व को उपलक्ष्य कायात्मिय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संयोगी लिहित वकलात उक्त सूचना के साथ अथवा पट्टे नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही काल किए जाने चाहिए।

"प्रत्येक विविधांश के संदर्भ में नीचे विए वर्गीकरण, भारतीय वर्गीकरण संघ अस्तर-एस्ट्रीय वर्गीकरण के अनुसर है।"

Convention No.	Country	Date
9-273019	Japan	06-10-1997
9-273020	Japan	06-10-1997
9-273021	Japan	06-10-1997
9-273022	Japan	06-10-1997
9-273023	Japan	06-10-1997

स्पांकन (चित्र आरेंजों) की फोटो प्रतियां यदि कोई हो, के साथ विनिर्देशों का अंगठी उथवा फोटों प्रतियों की जाएंगी फैटेट कार्यालय, कलकत्ता अथवा उपर्युक्त शास्त्र कार्यालय इवारा विहित लिपान्तरण प्रभार जिसे उक्त कार्यालय से पक्ष व्यवहार इवारा सुनिश्चित रखने के उपरांत उसकी अदायगति पर की जा सकती है। विनिर्देश की घृष्ण संस्था के साथ प्रत्येक स्थीकृत विनिर्देश के सामने नीचे बर्जिस चित्र आरेंज कागजों के जोड़कर उसे 2 से गूणा करके, (स्थानिक प्रत्येक पृष्ठ का लिपान्तरण प्रभार 2/- रु. है) फोटो लिपान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 94 G, 94 I.

181402

Int. Cl. : C 13 C 1/04.

AN IMPROVED SHREDDER FOR THE SUGARCANE CRUSHING MILL.

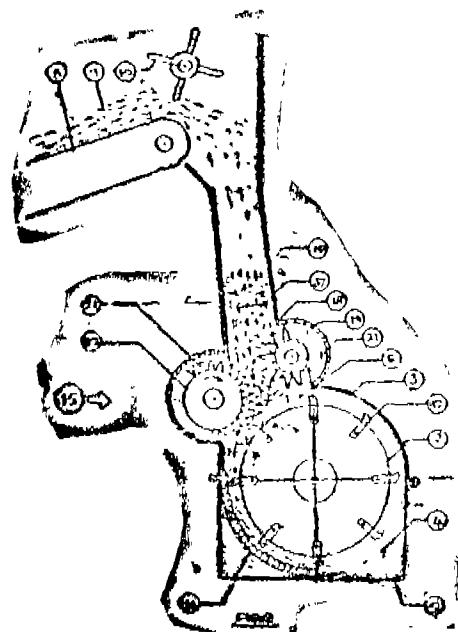
Applicant & Inventor : BAHUSAHEB BAPURAO NIKAM, 526, NARAYAN PETH, PUNE-411030, MAHARASHTRA, INDIA.

Application No. : 1/Bom/1995 filed on Jan 2, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

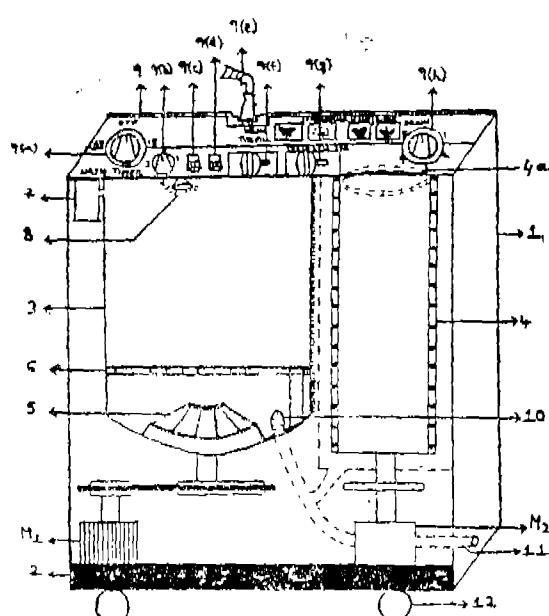
7 Claims

An improved shredder for the sugarcane crushing mill comprising a rotor having a plurality of hammers mounted on its periphery, the said rotor being rotatably mounted inside an enclosed casing, the said casing having an outlet opening in its bottom and an inlet opening at its top, an anvil plate mounted inside the said casing at its one side a semiprepared cane carrier provided above the said casing, a feed chute (Donnelly) provided in between the said cane carrier and the said casing, the said feed chute being kept in nearly vertical position and being diverging towards its lower end, at least one feeder roller provided at the exit end of the said feed chute and at the top inlet opening of the said casing.



Compl. specn. : 13 Pages;

Drwgs. : 2 sheets.



Compl. Specn. : 13 pages;

Drwgs. : 5 sheets

Ind. Cl. : 36 A [XLIV (1)]

181403

Int. Cl. : H 02 P - 5/00.

IMPROVED FAN WITH 360° SWEEP ANGLE.

Applicant & Inventors : 1. DEEPAK SHARAD KULKARNI, 15, MANISHA SOCIETY, KARVE NAGAR, PUNE-411052, MAHARASHTRA STATE, INDIA, AND SUDHEER MOTILAL MANGUDKAR JAIDEEP COMPLEX, 806/810, BR. GADGIL STREET, SADASHIV PETH, PUNE-411030, MAHARASHTRA STATE, INDIA.

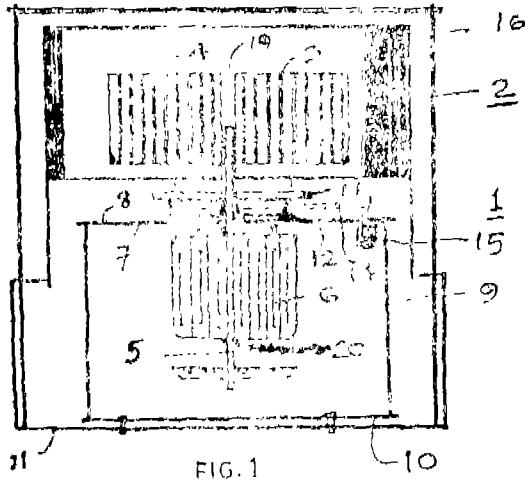
Application No. 39/Bom/95 filed on 27-01-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch Mumbai-13.

6 Claims

Improved fan with 360° sweep angle comprising an impeller having vertical louvres and mounted vertically on the shaft

of the electric motor with means for revolving and controlling revolutions and/or oscillations of the involute type casing; with provisions to arrest the movement of the said involute type casing to control the angle of the sweep.



Compl. specm. : 6 Pages;

Drawn. : one sheet.

Ind. Cl. : 50 [VII (1)]

181404

Int. Cl. : F 24 F - 05/00.

AN IMPROVED STATIC AIRCONDITIONER.

Applicant & Inventor : DR. VIJAYKUMAR GOVIND CHAPEKAR, 1582, SADASHIV PETH, TILAK ROAD, PUNE-411 030, MAHARASHTRA STATE, INDIA.

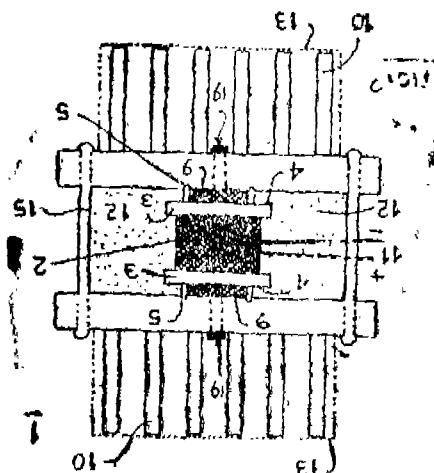
Application No. : 61/Bom/95 filed on 10th Feb., 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

2 Claims

Improved static airconditioner comprising a Peltier effect static thermo-electric heat pump/pumps having two ceramic chip surfaces, on each of the outer surfaces of the said ceramic chip there is provided an 'O' ring of resilient and elastic material over which there are located on either side specially prepared heat sink having fins on one side and a flat surface on the other side having an annular groove corresponding to the diameter of the said 'O' ring, there is provided a through hole in the body of the said heat sink, the said hole opens in the annular cavity formed between the flat surface of the said heat sink and the ceramic surface of the said thermo-electric device, the said cavity is filled with a liquid having high thermal conductivity such as mercury with or without the addition of metal powders and after filling the said annular cavity the passage is closed by a suitable plug, the space between the two flat surfaces of the heat sink and the said heat pump is filled with thermal insulating material, the said two heat sinks are suitably clamped together to form an assembly which in turn is fitted into two independent chambers, one of which is the application chamber and the other being the exhaust chamber, the said chambers are optionally provided with two fans/blowers on each side for

throwing out blast of hot or cold air depending on the polarity of the power supplied to the leads of the heat pump.



Compl. specn. : 7 pages;

Dwgns. : 1 sheet

Ind. Cl. : 61 F [VIII]

181405

Int. Cl. : F 26 B - 3/02, 3'16, 17/10.

AN IMPROVED BAGASSE DRYER.

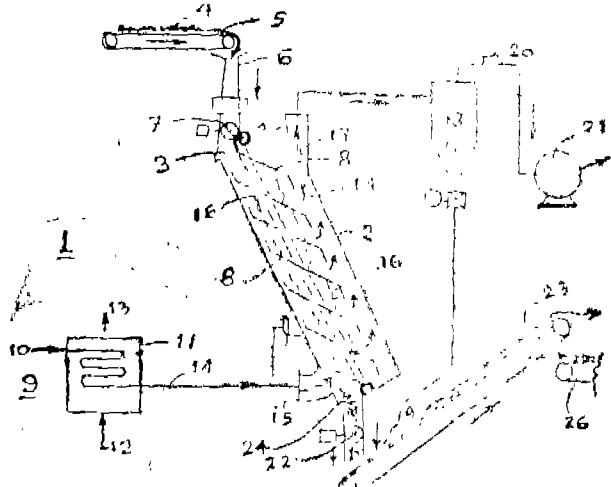
Applicant & Inventor : VISHNUKUMAR MAHADEO KULKARNI, N-22, INDRANAGARI, DAIJANUKAR COLONY, PUNE 411 029, MAHARASHTRA, INDIA, AND TUSHARCHANDRA SHARASCHANDRA INGLE PLOT NO. 10, NEW ERA HOUSING SOCIETY SARITA APARTMENTS, BIBWEWADI, PUNE 411 037, MAHARASHTRA, INDIA.

Application No. : 102/Bom/95 filed on 07-03-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

I Claim

An improved bagasse dryer comprising an inclined drying chamber having an inlet for full wet bagasse through an air-lock valve; a heat exchanger receiving air from atmosphere from one end and passing out through other end being at 80°C, introduced into the said drying chamber at bottom; an outlet at the top of said chamber connected to cyclone separator; and said chamber is also provided with baffle or louvres on screw conveyer for movement of bagasse to enable delivery through bottom air valve.



Compt. specia. : 5 pages

Orwgn.: 1 sheet

Ind. Cl. : 83A2 [XIV (5)]

181406

Int. Cl. : A 23 G-9/20.

A METHOD OF PREPARING AN AERATED ICE CONFECTION.**Applicants :** HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.**Inventors :**

- (1) TERENCE PAUL BAKER,
- (2) RODNEY DAVID BEE,
- (3) DONALD FRANK DARLING,
- (4) VIJAY ARJUN SAWANT.

Application No. 206/Bom/95 filed on 27-04-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

5 Claims

A method of preparing an aerated ice confection containing from about 20% to about 200% overrun in which a confection composition is mixed with an aerating gas which contains at least about 60%, preferably at least about 70%, by volume of carbon dioxide, nitrous oxide and mixture thereof and subjected to a freezing step.

Compl. specn. : 9 Pages

Drwgs. : 3 sheets.

Ind. Cl. : 83 A2

181407

Int. Cl. : A 23 G - 9/00
A 23 J - 1/14.**PROCESS FOR THE PREPARATION OF A FAT COMPOSITION.****Applicant :** HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020.**Inventors :**

1. FREDERICK WILLIAM CAIN,
2. HELGA MANSON
3. PAUL THOMAS QUINLAN,
4. STEPHEN RAYMOND MOORE.

Application No. 211/Bom/95 filed on 03-05-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

7 Claims

Process for the preparation of a fat composition suitable for ice-cream coatings comprising at least 30 wt. %, preferably 50—90 wt. % of diglycerides, which diglycerides have an SU content of 10—25 wt. % (S = saturated fatty acid residue; U=unsaturated fatty acid residue), while the fat composition displays a SAFA content of 5-35 wt. % and an N line (NMR) pulse, not stabilized) of $N_{w} < 35$, preferable $N_{w}=0$ —20, more preferably 1.0—5.0, $N_{w} < 10$, preferably < 1.0 , wherein the process either comprises a glycerolysis of a liquid oil with glycerol in the presence of the base or an enzyme, preferably a 1.3—specific enzyme.

Compl. specn. : 11 pages;

Drwgs. : NH.

Ind. Cl. : 39 K Gr. [III]
39 O Gr. [III]

181408

Int. Cl. : C 01 B - 33/113, 33/12, 33/32 &
C 11 D - 3/08.**A METHOD FOR THE PREPARATION OF CRYSTOBALITE.****Applicant :** HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI 400 020, MAHARASHTRA, INDIA A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.**Inventor :** JOSEPH PIEREE H. THEUNISSEN.Patent Application No. : 406/Bom/93 filed on 30-11-93.
G. B. Priority dated 27-11-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

4 Claims

A method for the preparation of cristobalite, by treating sand at elevated temperature in the presence of a catalyst, characterized in that the sand has an overall free silicon content of less than 350 ppm and a titanium content of less than 200 ppm.

Compl. specn. : 13 pages;

Drwgs. : NH.

Ind. Cl. : 170 D

181409

Int. Cl. : C 11 D - 03/386.

A PROCESS FOR PREPARING A CUTINASE VARIANT OF A PARENT CUTINASE.**Applicant :** HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020.**Inventors :**

1. MAARTEN ROBERT EGMOND,
2. HENDRIKUS THEODORUS W. M. VAN DER HIJDEN,
3. WOUTER MUSTER,
4. CORNELIS THEODOORUS VERRIPS,
5. JACOB DE VLEEG,
6. HANS PETERS.

Application No. : 427/Bom/93 filed on 20-12-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13.

16 Claims

Process for preparing a Cutinase variant of a parent Cutinase, wherein the amino acid sequence has been modified in such way that the hydrophobicity at the surface of the enzyme has been increased, which process comprises the steps of fermentatively cultivating an eDNA modified microorganism containing a gene made by rDNA technique which encodes the Cutinase variant, making a preparation of a Cutinase variant by separating the Cutinase variant produced by the microorganism either from the fermentation broth, or by separating the cells of the micro-organism from the fermentation broth, disintegrating the separated cells and concentrating or part purifying the Cutinase either from said broth or from said cells by physical or chemical concentration of purification methods.

Compl. specn. : 46 pages;

Drwgs. : 22 sheets.

Ind. Cl. : 170 D

181410

Int. Cl. : C 11 D—03/386

A METHOD OF PREPARING AN ENZYMATIC DETERGENT COMPOSITION.**Applicants :** HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400020, MAHARASHTRA,**Inventors :**

- (1) MAARTEN ROBERT EGMOND
- (2) HENDRIKUS THEODORUS W. M. VAN DER HIJDEN
- (3) WOUTER MUSTERS
- (4) HANS PETERS
- (5) CORNELIS THEODOORUS VERRIPS
- (6) JACOB DE VLEEG

Application No. : 428/Bom/93 filed on 20-12-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400013.

7 Claims

A method of preparing an enzymatic detergent composition comprising a Cutinase variant of a parent Cutinase, wherein the amino acid sequence has been modified in such way that the compatibility to anionic surfactants has been improved by reducing the binding of anionic surfactants to the enzyme, (a) by reducing the electrostatic interaction between the anionic surfactant and the enzyme by replacing one or more positively charged arginine residues which are located close to a hydrophobic patch capable of binding the apolar tail of the anionic surfactant, by lysine residues, by uncharged amino acid residues or by negatively charged amino acid residues, and/or (b) by replacing one or more amino acid residues which are located in a hydrophobic patch capable of binding the apolar tail of the anionic surfactant, by less hydrophobic amino acid residues which method comprises combining said Cutinase variant of a parent Cutinase with other ingredients as herein described including additives for detergent compositions a fully formulated detergent cleaning composition such as herein described preferably containing from 5—60 still preferably from 20—50% by wt. of a detergency builder and from 0.1—50.6% by wt. of an active system which further comprises 0 to 95% by wt. of one or more anionic surfactant and 5 to 100% by wt. of one or more of nonionic surfactant.

(Compl. Specn. : 47 pages;

Drgs. : 21 sheets)

Ind. Cl. : 189, Gr. [LXVI(9)]

181411

Int. Cl. : A 61 K—7/46

A PROCESS FOR PREPARING A FRAGRANCE MATERIAL CONTAINING 1. 4-DIMETHYLCYCLO-HEXANE-1-CARBOXYLIC ACID ESTER AND PERFUMES SO OBTAINED.

Applicants : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : PIETER BAKKER.

Patent Application No. : 438/Bom/93 filed on 24-12-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

6 Claims

Perfumes comprising at least 0.1% by weight of a 1, 4-dimethylcyclohexane-1-carboxylic acid ester according to general formula



wherein R is an alk(en)yl group having 1—4 carbon atoms and at most 99.9% by weight of one or more other fragrance materials as herein described.

(Compl. Specn. : 9 pages;

Drgs. : Nil)

Ind. Cl. : 77A, GR [XI (1)]

181412

Int. Cl. : A23L—1/19, AVSD—5/00, 5/04, C11B—5/00, 1/00

"PROCESS FOR THE PREPARATION OF A WATER-CONTINUOUS FAT EMULSION".

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors :

- (1) IAIN JAMES CAMPBELL
- (2) EVELYN MARY MORIARTY
- (3) YENNI SIBUEA

Application No. : 08/Bom/94 filed on 11-01-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-400013.

16 Claims

Process for the preparation of a water-continuous fat emulsion comprising 1—30 wt.% preferably 1—15 wt.% of a vegetable fat;

0.1—5 wt.% of a protein compound;

0—2 wt.% of an emulsifier composition;

0—10 wt.% of a sweetener, in particular a carbohydrate;

0.01—5 wt.% of a thickener composition;

0.01—2 wt.% of a flavour composition;

0—1500 ppm of a multivalent metal,

which composition, upon heating above 70°C, shows flocculation of at least the protein component,

wherein,

— a premix is made of all components except the metal component at 50—80°C;

the premix is heated to a temperature above 80°C; the heated premix is subjected to a direct or indirect UHP treatment at 130—150°C for 1—30 seconds;

— the sterilized mixture is cooled to 50—75°C;

the cooled, sterilized mixture is homogenized at a pressure of 10—250 bar, preferably 50—250 bar;

— the homogenized mixture is cooled to 5—35°C;

— the cooled mixture is packed aseptically, preferably at 5—35°C, a sterilized multivalent metal solution being added to the mixture in the above-mentioned process, in a step before or after the sterilization step.

(Compl. Specn. : 13 pages;

Drgs. : Nil)

Ind. Cl. : 180 [XV (2)]

181413

Int. Cl. : F 24 C—5/04

HIGH OUTPUT STOVE

Applicants : HOT POINT HOME APPLIANCES PVT. LTD., HIBA, PADA NORTH, KARUNAGAPPALLY, KOLLAM DIST. KERALA, INDIA.

Inventor : KARIKKADA CHINNAPPAN YFSUDAS.

Application No. : 22/Bom/1994 filed Jan. 24, 1994.

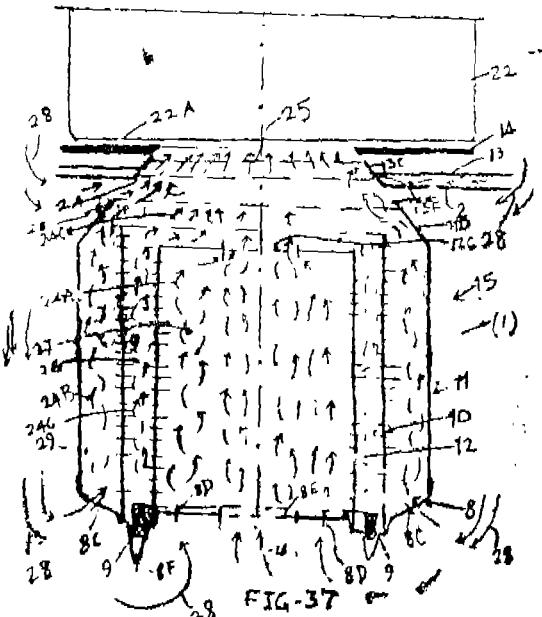
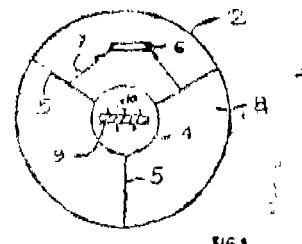
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

15 Claims

High output stove comprising exchangers comprising a fuel oil tray connected to plurality of parallel connected burner assemblies through a common feed pipe having a vent pipe opening above cover plate on said stove; a detachably mounted fuel tank provided with or without a fuel level indicator and having in its base a non-return spring loaded valve-cum-fuel feed guide adapted to control flow of fuel from tank to wick rings seated within respective burner cups by capillary action through a manually operable needle valve and prevent their flooding characterised in that each of said burner assembly includes a burner cup having grooved ring for seating wick ring and plurality of spaced steps forming a seat for respective concentrically spaced

perforated sleeves and a non-perforated sleeve having an upwardly tapered hood in its top opening forming a heat guard thereby providing plurality of concentric passages therebetween forming combustion zones forming first and second heat exchanger and a detachably mountable spill tray having mirror finished top surface with or without thermal insulation and having a drain and an upwardly tapered collar around its central opening, the axial passage formed therebetween forming a third heat exchanger for blowing therethrough and deflecting air super heated and circulated through respective heat exchangers towards a flat bottomed cooking vessel placed on said stove.

available through multiple foci by virtue of plurality of triangular lens assembly provided in tandem.



(Comp. Specn. : 33 pages;

Drgs. : 15 sheets)

(Compl. Specn. : 5 pages; Drwg. : 2 sheets)

Ind. Cl. : 163 D

181415

Int.Cl. : F 04 F 3/00, 5/10

SUBMERSIBLE EDUCTOR CONVERGING MONOBLOC PUMP SET.

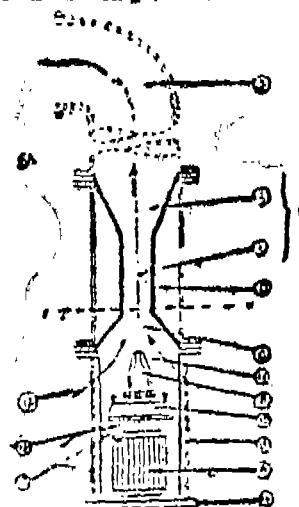
Applicant & Inventor : AVINASH BHASKAR RANADE,
14-B/2, MODEL TOWN, BAL RAJESHWAR ROAD,
BOMBAY-400080, MAHARASHTRA, INDIA.

Application No. : 93/Bom/1994 filed March 10, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

08 Claims

1. Submersible eductor converging monobloc pump set mounted on a stand wherein outlet of said pump being fitted with a reducer nozzle and covered by convergent suction inlet 'C' of a venturi being fitted in axially spaced relationship with said reducer forming a vacuum chamber therebetween, and the divergent outlet thereof being provided with a flexible or rigid pipe and wherein a cooling chamber 'E' having an inlet at its bottom and an outlet at its top being optionally provided for circulation of water therethrough and maintaining said motor in cool condition and wherein a strainer drum being provided at its suction inlet.



Ind. Cl. : 98 I Gr. [VII (2)]

181414

Int. Cl. : F 24 I—2/08

MULTIPLE FOCI SOLAR ENERGY COLLECTION SYSTEM.

Applicant & Inventor : OLAF ERICH BETHKE 24, HERMIS HERITAGE, SHASTRI NAGAR, NAGAR ROAD, PUNE-411014, MAHARASHTRA, INDIA. A GERMAN NATIONAL.

Patent Application No. 63/Bom/94 filed on 25-02-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

1 Claim

Multiple foci solar energy collecting system comprising a longitudinal transparent tube preferably of glass, another internal transparent tube preferably of glass being supported from inside such that the inner tube is longitudinally at the centre of the said external tube, a plurality of triangular lens assembly is duly supported between the gap created by the said external tube, the said internal tube having longitudinal metallic strip with fins is mounted or adjacently placed in the said external tube, vacuum is maintained in the annular gap of external and internal tube, clean gases such as oxygen, neon, helium and the like are made to flow singly or in combination through the said inner tube, the said metallic finned strip will constantly absorb heat made

2—107 GI/98

(Compl. Specn. : 13 pages;

Drwg. : 7 sheets)

Ind. Cl. : 170 B, Gr. [XL III(4)]

181416

Int. Cl. : C 11 D—1/02

A BUILT, NON-SOAP DETERGENT SOAP.

Applicants : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA.

A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : PETER JAMES POWERS.

Patent Application No. : 129/Bom/94 filed on 31-03-94.
G. B. Priority dated 02-04-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

16 Claims

A built, non-soap detergent bar containing 10 to 60% by weight of non-soap anionic detergent active, at least a majority of which is selected from the group consisting of linear or branched C₆ to C₁₂ alkylbenzene sulphonates, C₆ to C₁₂ alkyl sulphates and mixtures thereof, the amount of detergent active selected from said group being at least 10% by weight of the bar; and

5 to 60% by weight of detergency builder; wherein the bar additionally contains from 0.3 to 4.0% by weight of alkoxylated nonionic detergent.

(Compl. Specn. : 29 pages;

Drwgs. : Nil)

Ind. Cl. : 170 B Gr. IXL III (4)

181417

Int. Cl. : C11D—1/02

A METHOD OF PREPARING AN AQUEOUS SURFACTANT COMPOSITION.

Applicant : HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA. A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : GERHARD BENNER.

Patent Application No. : 130/Bom/94 filed on 31-03-94.

G. B. Priority dated 08-04-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400013.

8 Claims

A method of preparing an aqueous surfactant composition suitable for topical application to the human skin comprising heating and stirring a solution comprising a sodium alkyl ether surfactant having from 0 to 5 ethylene oxide groups, and sulphosuccinate surfactant, wherein the sodium alkyl ether surfactant is present in the composition at a level of 3 to 15% by weight and the sulphosuccinate surfactant is present at a level of from 3 to 10% by weight of the composition.

(Compl. Specn. : 11 pages;

Drwgs. : Nil)

Ind. Cl. : 52 E

181418

Int. Cl. : C08L 23/00

"A POLYMER BLEND SUITABLE FOR MAKING PLASTIC CONTAINERS"

Applicant : OWENS ILLINOIS PLASTIC PRODUCTS INC., OF ONE SEAGATE, TOLEDO, OHIO 43666 U.S.A. A CORPORATION OF THE STATE OF DELAWARE U.S.A.

Inventors :

1. JAMES N. HERMAN
2. JAMES E. HILTNER

Application No. : 138/Mas/93 filed on 24th February 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

3 Claims

A polymer blend suitable for making plastic containers comprising 25 to 95% by weight of a post consumer plastic resin of homopolymer high density polyethylene plastic

having a density of 0.961 ± 0.02 g/ml and a melt index of 0.75 ± 0.2 g/10 min, 2.5 to 25% by weight of a linear low density polyethylene having a density in the range of 0.92 to 0.93 g/ml, and a melt index of less than 1.0 g/10 min and 15 to 72.5% by weight of virgin linear high density polyethylene copolymer resin having a density of at least 0.94 g/ml, a melt index of less than 0.5 g/10 min.

(Com. : 14 pages)

Ind. Cl. : 190 B

181419

Int. Cl. : F01 D 5/12

"A METHOD OF REFURBISHING A TURBINE BLADE."

Applicant : TURBINE BLADING LIMITED, STATION ROAD, SHIPSTON ON STOUR WARWICKSHIRE, CV36 4BL UNITED KINGDOM, A BRITISH COMPANY.

Inventor : 1. MICHAEL JAMES FRASER.

Application No. : 142/Mas/93 filed on 25th February 1993.

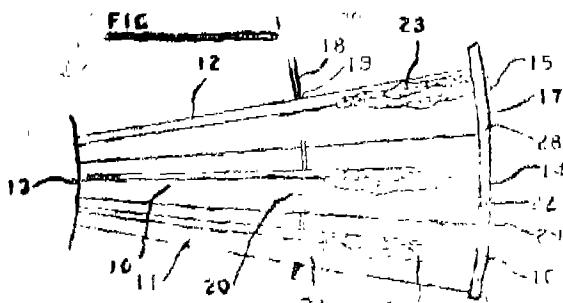
Convention dated : 27th February 1992; No. 9204233.2; U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

19 Claims

A method of refurbishing a turbine blade comprising the steps of :

- (a) removing any damaged material from an area of the turbine blade to be repaired;
- (b) providing a layer of a first metallic material by welding over said repair area;
- (c) providing a layer of a second metallic material over said layer of first material, said second material being harder than said first material;
- (d) said second layer of material being applied in a manner so as not to extend over an area greater than or beyond the edge of said first layer of material;
- (e) carrying out a stress relieving heat treatment process on said turbine blade;
- (f) working where necessary by machining, grinding or polishing said layers of first and/or said second material to achieve a desired blade profile.



Applicant : BIMETAL BEARING LIMITED, AN INDIAN COMPANY, PERANDAPALLI POST, TAMILNADU-635125.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

Inventor : VEERAMANI MAHADEVAN.

Application No. : 150/Mas/1993 filed on 1st March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

05 Claims

A process for overlay plating on steel backed aluminium alloy bimetallic bearing strips comprising the following steps :

- (a) bearing strips are cleansed, rinsed and spray washed;
- (b) etching and activation by immersion in an aqueous solution containing 1% by volume of nitric acid and 5% by volume of hydrofluoric acid;
- (c) spray washing and water rinsing;
- (d) de-smutting by immersion in a bath containing 25 to 35 gms/litre chromic acid, 260 to 300 gm/litre sulphuric acid and water and then spray washing;
- (e) zincating the washed bearing strips in a special zincating bath such as herein described followed by washing in water with a wetting agent;
- (f) Nickel plating in a nickel sulphamate bath having 14 gms/litre of nickel ions and at 60 degree centis;
- (g) plating lead-tin-copper alloy from fluoborate type plating bath such as herein described;
- (h) a flash plate of pure tin is plated from a bath containing 35 to 40 gm/litre of stannous tin and then rinsed and
- (i) finally plated bearing strips are heat treated at 100 to 120 degree celcius for one hour.

(Comp. Specn. : 11 pages;

Drwg. : Nil)

Ind. Cl. : 172 D 4, 6

181421

Int. Cl. : D 01 H 5/00.

"SPINNING MACHINE DRAFTING ARRANGEMENT".

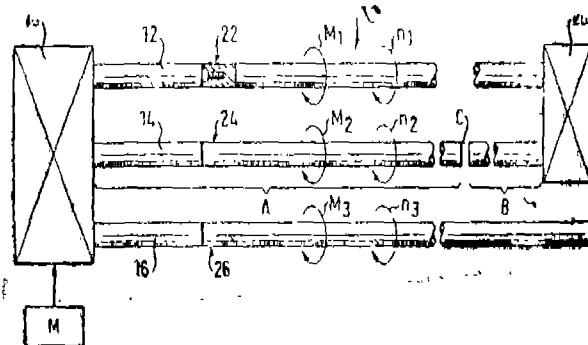
Applicant : MASCHINENFABRIK RIETER AG A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF CH 8406 WINTERTHUR, SWITZERLAND.

Inventor : LATTON ANDRE, SWITZERLAND.

Application No. 241/Mas/93 filed on 2nd April, 1993.

6 Claims

Spinning machine-drafting arrangement, in particular a ring spinning machine-drafting arrangement, with a feed roller (12, 12'), at least one middle roller (14, 14') and a delivery roller (16, 16') which respectively work together on the spinning machine with back pressure rollers and is driven on one end by a motor (M) via a gear drive (18) with an increasing rotational speed to the delivery roller (16, 16') characterized in that at least one of the rollers (12, 12'; 14, 14'; 16, 16') consists of at least two sections (12a, 12'a; 12b, 12'b) connected together through a screw thread (22, 22'; 24, 24'; 12b, 12'b) the thread pitch being selected in such a way that the torque ($M^1, M^{1a}; M^2, M^{2a}; M^3, M^{3a}$) exercised by the screw thread (22, 22'; 24, 24'; 26, 26') on the rollers (12, 12'; 14, 14'; 16, 16') via the motor drive (M'8; M'18 20) is in the screw-in direction.



(Compl. specn. : 14 pages;

Drwgns. : 2 sheets)

Ind. Cl. : 190 C

181422

Int. Cl. : F 01 D 17/16.

"AXIAL-FLOW TURBINE".

Applicant : ASEA BROWN BOVERI LTD., OF CH-5401 BADEN SWITZERLAND, A SWISS COMPANY.

Inventors :

1. PETER ELVEKJAER,
2. WALTER SCHREIBER.

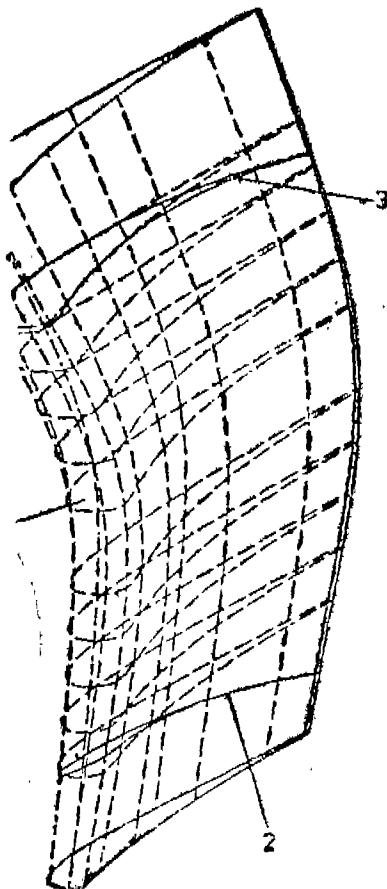
Application No. 440/Mas/93 filed 25th June 1993.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

5 Claims

An axial-flow turbine with at least one row of bowed guide vanes (7) tapered in their radial extent a hub (2) and a vane carrier (3) and at least one rotor blades (4) wherein the bowing of each guide vane over the height of the vane is provided at right angles to the chord of the vane in the respective radial plane by a displacement of the profile sections in both the peripheral and the axial direction, wherein the bowing is directed upstream in the axial direction and is defined by a continuous arc which forms an acute angle with a radial line at the hub and an acute angle with a radial line at the vane carrier, and wherein over the height of the vane

neither the leading edge nor the trailing edge of the vane is located in one and the same axial and radial plane.



(Compl. specn. 13 pages;

Drwgs. : 3 sheets)

Ind. Cl. : 63 B

181423

Int. Cl.⁴ : H 02 K 7/20.

"A DYNODRIVE POWERED HYDRODYNAMIC EXCITER FOR VERTICAL PLANE OSCILLATIONS OF BODIES IN WATER."

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. POST, MADRAS-600 036, TAMIL NADU, INDIA, AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT,

Inventors :

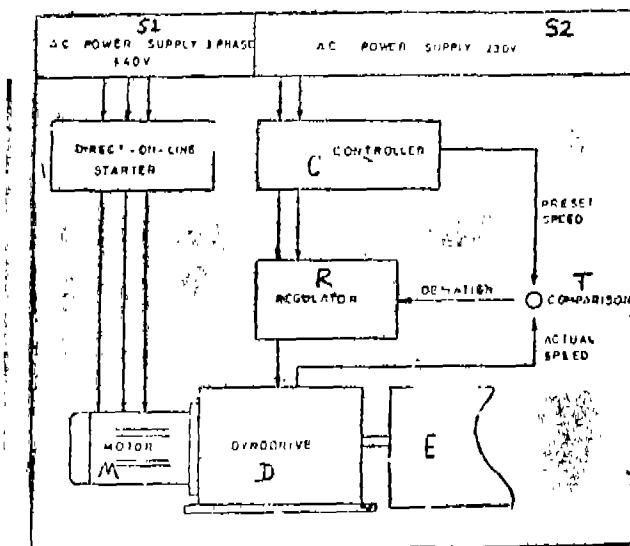
1. VAIDYANATHA IYER ANANTHA SUBRAMANIAN (INDIA),
2. CHIRUVI PATU VENDHAN (INDIA).

Application No. 481/Mas/1993 filed on 15th July, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

2 Claims

A dynodrive powered hydrodynamic exciter for vertical plane oscillations of bodies in water, comprising in combination a hydrodynamic exciter coupled to the drive unit of a dynodrive system, said drive unit being powered by an electric motor; the said system incorporating a controller, a regulator and a comparator, interconnected with each other and with the said drive unit, such that a speed value preset on the controller and the actual speed value at the output of the drive unit are compared by the comparator, the resulting deviation in speed value arrived at by the comparator being sensed by the regulator, whereby the correction in speed value is fed by the regulator to the said drive unit to obtain a speed of the value preset on the controller at the output of the said drive unit.



(Compl. specn. : 12 pages;

Drwgs. : 3 sheets)

Ind. Cl. : 83 A1, A2

181424

Int. Cl.⁴ : A 23 C 9/12.

"PROCESS FOR PREPARING FOODSTUFFS HAVING A REDUCED CONTENT OF FERMENTED MILK PRODUCTS AND/OR FRUIT MATERIAL."

Applicant : SOCIETE DES PRODUITS NESTLE SA OF VEVEY SWITZERLAND, A SWISS BODY CORPORATE.

Inventors :

1. LUIS ROBERTO KING SOLIS,
2. WALTER PENALOZA IZURIETA.

Application No. 1287/Mas/94 filed on 26th December 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

10 Claims

A process for preparing foodstuffs having reduced content of fermented milk products and/or fruit material which comprises adding to foodstuffs containing fermented milk products and/or fruit material an acidic amyloseous fermented composition resulting from a process wherein

- (a) a slurry of cereal flour and at least one additional non-cereal starch material is first subjected to gelatinization and further homogenized;
- (b) inoculated with an acidifying strain or a mixture of acidifying strains selected from *Lactobacillus* species, *Streptococcus* *thermo-philus* and *Bifidobacterium* species;
- (c) then subjected to a fermentation over a period and at a temperature such as to afford a pH of about 3.5 to 4.2 of the fermented material; and
- (d) finally stabilized in a known manner.

(Compl. specn. : 21 pages).

Ind. Cl. : 49-A

181425

Int. Cl.⁴ : A 21 D 13/08.

"A PROCESS FOR THE PREPARATION OF A DIGESTIVE BISCUIT."

Applicant : BRITANIA INDUSTRIES LIMITED, R & D CENTRE, M. T. H. ROAD, PADI, MADRAS-600 050, TAMIL NADU, INDIA.

Inventors :

1. MNAKKAL RAJAN SUNDAR
2. SHRIDHAR RAMRAJ DESHPANDE
3. DR. LALITHA SRIRAM
4. SWAMINATHAN MAHESWARAN.

Application No. 2236/Mas/96 filed on 11th Dec., 1996.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Chennai Branch.

3 Claims

A process for the preparation of a digestive biscuit, comprising the preparation of dough in the known way, characterised by the preparation of a separate mix of 3%—7% by wt. of isabgol and 1%—2.5% by wt. of bran, said isabgol and bran being coated with fat and sugar; gradually adding the said separate mix to the said dough and thoroughly mixing the same to obtain a homogeneous mass; and baking the same, thereafter, to obtain the said biscuit.

(Compl. specn. : 8 pages).

Ind. Cl. : 129 J, 107(G), 80(I)

181426

Int. Cl.⁴ : A 47 L 9/00.

F 16 J 13/00.

A COVER ASSEMBLY FOR USE WITH A FILTER INSERT.

Applicant : PUROLATOR INDIA LTD. OF 1 SRI AURO-BINDO MARG, NEW DELHI-110 016, INDIA, AN INDIAN COMPANY.

Inventor : SUNIL. KAUL, INDIAN.

Kind of Application : Complete.

Application for Patent No. 016/Del/91 filed on 10th Jan., 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

5 Claims

A cover assembly for use with a filter insert comprising a lower plate (11) for supporting a gasket retainer (12) secured thereon, said lower plate (11) having a plurality of spaced holes (18) corresponding to the openings (28) of said gasket retainer (12) being secured onto said lower plate (11) by means of crimp seals, said gasket retainer (12) has a centrally located outlet (27) corresponding to the collar (15) of said lower plate, said openings (28) provided in the gasket retainer (12) have a small diameter than the diameter of the holes (18) of said lower plate (11).

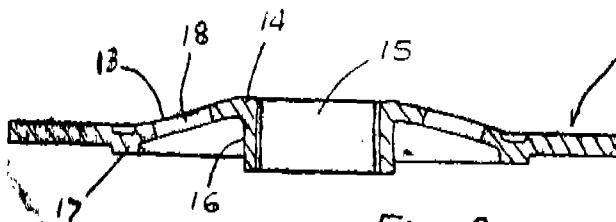


Fig. 2

(Compl. Specn. 8 pages;

Drgs. 2 sheets.)

Ind. Cl. : 147 C

181427

Int. Cl.⁴ : G 11 B, 5/09.

MOTION PICTURE DIGITAL SOUND SYSTEM FOR A MOTION PICTURE.

Applicant : DIGITAL THEATER SYSTEMS CORP., A CORPORATION ORGANISED UNDER THE LAWS OF

THE STATE OF CALIFORNIA, UNITED STATES OF AMERICA, OF 31336 VIA COLINES, SUITE 104 WEST-LAKE VILLAGE, CALIFORNIA 91362, USA.

Inventor : TERRY BEARD

Application for Patent No. 78/Del/91 filed on 29th Jan., 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

7 Claims

A motion picture sound system for a motion picture provided on a film that has series of picture frames (8) and a digital time code (10) proximate to said picture frames (8) and identifying locations along the film comprising :

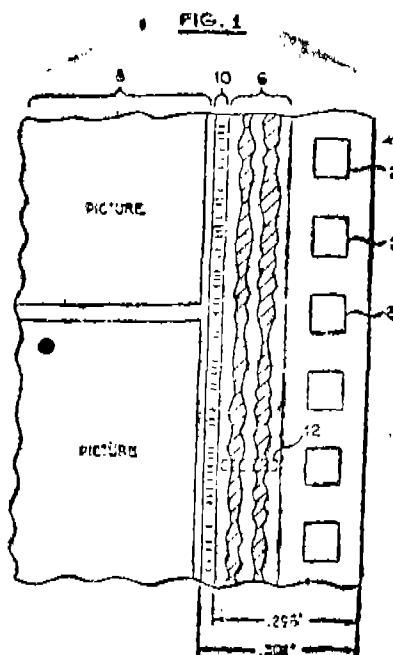
a large capacity digital data source capable of storing (76, 78) digital audio data associated with said picture frames,

a fast access digital data storage buffer (86) connected to temporarily store digital audio data from said large capacity digital data source (76, 78),

a converter (88) connected to convert digital audio data from said buffer (86) to an analog audio signal,

a time code reader (80) positioned to read the digital time code on said film, and characterised by,

a controller responsive to the digital time code read by said time code reader (80) and connected to access said large capacity digital data (76) source to shift digital audio data associated with the film locations identified by said time code to said buffer (86) and also connected to access said buffer (86) to shift digital audio data stored therein to said digital audio data converting means, (88) said controller (88) comprising successive time codes for successive locations on the film to determine the validity of said time codes.



(Compl. Specn. 18 pages

Drgs. 6 sheets)

Ind. Cl. : 85R, 146E

181428

Ind. Cl.⁴ : F27B 1/00
G01D 1/00.

PROBE FOR TAKING GAS SAMPLES AND HEAT MEASUREMENTS IN A SHAFT FURNACE.

Applicant : PAUL WURTH S.A., A COMPANY ORGANISED UNDER THE LAWS OF GRAND DUCHY OF LUXEMBOURG, OF 32 RUE D'ALSACE, L-1122 LUXEMBOURG.

Inventors :

1. PIERRE MAILLIET, LUXEMBOURG
2. EMILE LQNARDI, GEORGES WIES, LUXEMBOURG.

Application for Patent No. 128/Del/91 filed on 19th Feb., 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

A probe for taking gas samples and heat measurements in a shaft furnace (10) comprising a support (14) in the form of a sheath (16) introduced through the wall of the furnace (10) above the charging surface, a series of internal pipes (32) connecting orifices distributed along the sheath to a measuring and gas sample receiving device outside the furnace, thermo-couples located at the level of the said orifices, spacers (18) placed transversely in the sheath in order to retain the internal pipes (32), and at least one cooling circuit transversing the sheath (16), characterised in that the spacers (28) (18) have gradually decreasing surface areas from the wall of the furnace (10) to the tip of the probe (12) in that the difference in surface area between two adjacent spacers (28) (18) defines an exposed portion of the larger spacer (18) and a corresponding, transversely narrowing step of the sheath (16) in that the said orifices are situated in the said exposed portions, and in that the said internal pipes (32) taking gas samples and heat measurements are all individual, straight and exchangeable elements housed in straight support (14) and protection channels (20) each traversing the sheath (16) from the outside of the furnace (10) as far as the said respective exposed portion.

(Compl. Specn. 10 pages;

Drngs. 5 sheets.)

Ind. Cl. : 85 R

181429

Int. Cl.⁴ : F 27 B 1/10.

DEVICE FOR INJECTING PREHEATED AIR INTO A SHAFT FURNACE.

Applicant : PAUL WURTH S.A., COMPANY ORGANISED UNDER THE LAWS OF GRAND DUCHY OF LUXEMBOURG, OF 32 RUE D'ALSACE, L-1122 LUXEMBOURG, GRAND DUCHY OF LUXEMBOURG.

Inventors :

1. PIETTE MAILLIET LUXEMBOURG.
2. JEAN BENCK LUXEMBOURG.

Application for Patent No. 173/Del/91 filed on 5th March 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

Device for injecting preheated air into a shaft furnace, consisting for a plurality of separate elements, each consisting of an external armouring (42) and an internal refractory lining (44), and comprising an oblique portion (22) connected by a gooseneck (24), a nozzle (26), a tuyere (28) and a ball-and-socket joint to the wall of the furnace, in which the oblique portion (22) comprises a tapered tube (36) flange-mounted by its upper part on to an upper connection piece

(32) forming part of a bustle pipe (20) and the lower part of which dips axially into a lower connection piece (34) integral with the gooseneck (24), a bellows expansion joint (48) ensuring the sealing between the tapered tube (36) and the lower connection piece (34), and tension rods (52) ensuring the mechanical connection between the tapered tube (36) and the lower connection piece (34) and the tapered tube (36) can move mutually in the axial direction and have means for limiting their radial mobility.

(Compl. Specn. 11 pages;

Drngs. 7 sheets.)

Ind. Cl. : 127 I

181430

Int. Cl. : F 16 P 5/00.

DEVICE INTENDED TO CREATE A MOTION IN A LIQUID IN PARTICULAR AT THE SURFACE THEREOF.

Applicant : S. A. WOW COMPANY 18, RUE DE COQUELET B-5000 NAMUR-BELGIUM, A BELGIUM COMPANY.

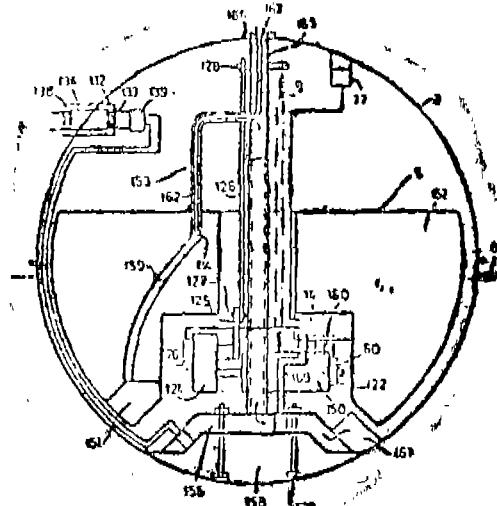
Inventor : JOSEPH DEMARTEAU.

Application for Patent No. 202/Del/91 filed on 13th March 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

22 Claims

A device for the creation of motion in a liquid by relative displacement of two bodies such as waves at the surface thereof, this liquid being contained within a tank having one or more walls, such as in a swimming pool, this device comprising a floating or submerged device which is detachably connected to a wall of the tank and in contact with said liquid comprising two bodies mutually connected by at least one relative displacement means and advantageously, control means as described hereinbefore for controlling the relative displacement of the said two bodies said control means being operatively connected to said second body.



Inventor:

1. JAMES M. McDONOUGH,
 2. MICHEL DOUCET.

Application No. 402/Mag/92 dated June 30, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

A flame producing lighter, comprising :

A housing having a central longitudinal axis and defining a reservoir to contain fuel under pressure;

a valve mounted on the housing and communicating with the reservoir, said valve selectively actuatable between a closed position preventing exit of fuel from the reservoir, and an open position permitting exit of fuel from the reservoir through said valve;

a valve actuator mounted on the housing and cooperating with the valve, said actuator having a depressible portion which is depressible along a first direction to actuate the valve to at least said open position;

a spark-producing assembly mounted on the housing for producing sparks by a user at a location proximate the fuel exit from the valve thereby selectively causing ignition of the fuel; and

a latch member mounted in the housing moveable between latched and unlatched positions, said latched position comprising an interfering portion of the latch member disposed to block depression of the valve actuator, wherein inward movement of the latch member and said interfering portion towards the longitudinal axis by application of a user-applied force to said latch member places the interfering portion in a position permitting depression of the valve actuator and wherein subsequent movement of the latch member along the first direction places the latch member in the unlatched position.

Ind. Cl. : 205 B, G

181432

Int. Cl. : B 29 D 30/00.

RADIALLY EXPANDING AND COLLAPSING DRUM FOR TYRE BUILDING.

Applicant : L & T-McNEIL LIMITED, MOUNT-
POONAMALLEE ROAD, P. B. No. 977, MADRAS-
600 089, MANAPAKKAM, TAMIL NADU, AN INDIAN
COMPANY.

Inventors :

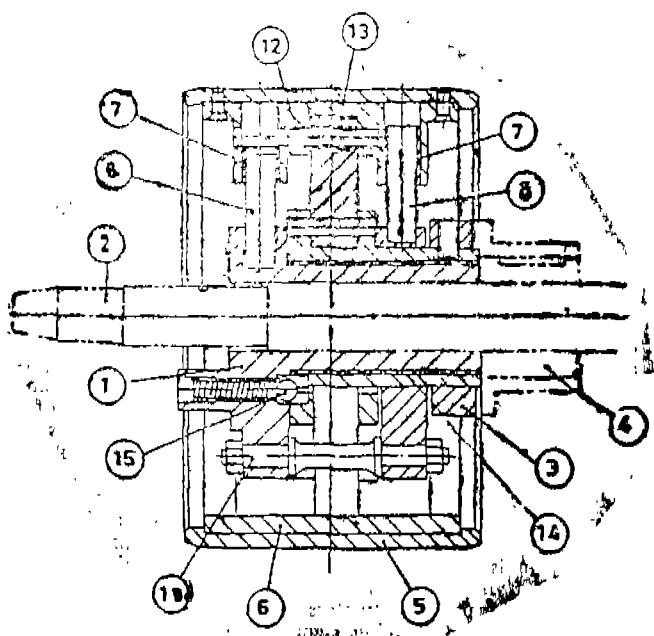
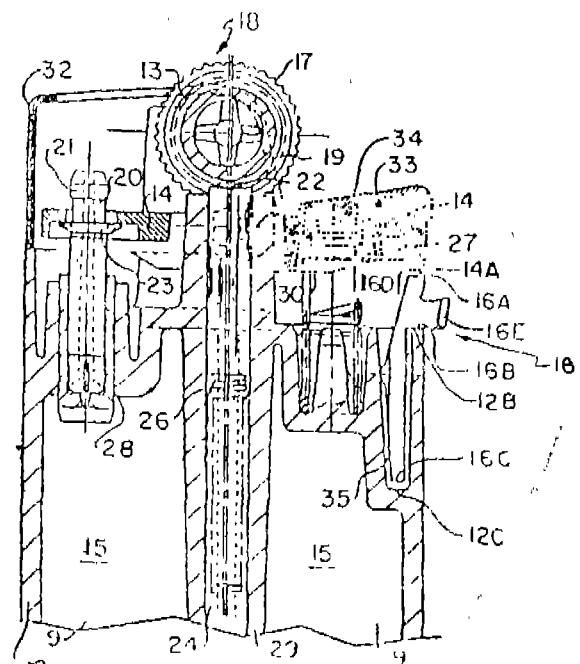
1. SUBBIYER KAMESWARAN,
 2. NARAYANA SASTRI KAESWARAN,
 3. THAKKADI MAHMOOD MOHAMED IBRAHIM.

Application No. 647/Mas/92 filed on 23rd October,
1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A tyre building drum, which expands and collapses radially through actuation by the relative rotation of the main spindle and quill shaft of a tyre building machine, the said tyre building drum comprising a shell consisting of plurality of segments, which takes a cylindrical shape of required dimensions, when expanded to the maximum size, for the purpose of building green tyres, a body part consisting of plurality of segments, each said segment of the body part fixed to the corresponding segment of the said shell, wearing parts for the pillars, which are capable of sliding during the expansion and collapse of the drum, a hub adaptable to the main spindle of the tyre building machine for mounting the drum and driving for collapsing and expanding the drum, from the tyre building machine prime mover, a swing arm adaptable to the quill shaft of the tyre building machine for mounting the drum and for holding the drum to the collapse and expansion mechanism of the tyre building machine for operation, connecting links for the expansion and collapse of the drum, connecting pins for transmitting drive from the hub to the expansion and collapsing mechanism, pivoting pins and wearing parts for the links, spring operated locking poppet mechanism for holding the drum in the expanded condition, pillars for sliding of the body with the shell segments for radial expansion and collapsing of the drum, and wearing parts for reducing the friction.



Ind. Cl. : 107-C
Int. Cl. : F 01 B-31/14
F 02 F-1/16.

181433

AN ENGINE HAVING IMPROVED STROKE LENGTH.

Applicant : CATERPILLAR INC., OF 100 N.E. ADAMS STREET, PEORIA, ILLINOIS 61629-6490, U.S.A. A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE.

Inventor : BENNY BALLHEIMER.

Application No. 724/Mas/92 filed on 2nd Dec., 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

An engine having improved stroke length comprising a cylinder block defining at least one cylinder bore which has an axis, a cylinder head mounted to the block, a crankshaft rotatably mounted within the block, a cylinder liner disposed within the cylinder bore and having a liner bore, a piston which reciprocates in the cylinder liner along the axis of the cylinder bore, the piston having a combustion crater and defining a stroke between a top dead center position and a bottom dead center position of the crankshaft, a combustion volume within the liner bore, a clearance volume within the liner bore, a connecting rod removably attached to the crankshaft and the piston wherein said crankshaft is provided with a larger throw.

(Compl. Specn. 15 pages;

Drawings. 3 sheets.)

Ind. Class. : 206-E

181434

Int. Cl. : H 04 B 07/26.

A WIRELESS SYSTEM FOR FULL DUPLEX COMMUNICATION OF DOWNLINK SIGNALS AND UPLINK SIGNALS BETWEEN A BASE STATION AND USERS PHYSICALLY REMOTE FROM SAID BASE STATION.

Applicant : ARRAYCOMM INCORPORATED, OF 3255, SCOTT BLDG. 4, SUITE 103, SANTA CLARA, CA 95054, U.S.A., A U.S. CORPORATION.

Inventors :

1. RICHARD H. ROY.
2. BJORN OTTERSTEN.

Application No. 745/Mas/92 dated December 9, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

6 Claims

A wireless system for full duplex communication of downlink signals and uplink signals between a base station and users physically remote from said base station, said wireless system comprising : a receiver at said base station for detecting combinations of arriving signals from said users in said uplink channel and having a plurality of receiving antennas and multichannel receivers with one multi-channel receiver for each of said receiving antennas, each channel of each of said multichannel receivers dedicated to an uplink channel, a processor for processing said combinations of arriving signals in each uplink channel for determining the number of arriving signals in each of said uplink channels by employing statistical methods using eigen values of a covariance matrix calculated using said combinations of arriving signals, obtaining parameters of said arriving signals including directions of arrival of said arriving signals, and tracking user parameters having locations of said users from said parameters and said combinations of arriving signals, a spatial demultiplexer for obtaining estimates of the uplink signals in each uplink channel from said combinations of arriving signals and said parameters of arriving signals and said user parameters, a spatial multiplexer using said parameters of arriving signals and said user parameters for combining downlink signals from said base station to said users in at least one downlink channel, and a transmitter

having input connected to said spatial multiplexer for transmitting the combined downlink signals and having a plurality of transmitting antennas and multichannel transmitters with one multichannel transmitter for each of said transmitting antennas, one channel of said multichannel transmitters being dedicated to a downlink channel and to the spatial transmission of said downlink signals to said users in said at least one downlink channel for simultaneously receiving multiple uplink signals in multiple uplink channels from said users and transmitting multiple downlink signals in multiple downlink channels to said users.

(Compl. Specn. 15 pages;

Drawings. 14 sheets.)

Ind. Cl. : 172 C 9

181435

Int. Cl. : D 01 G 15/00.

SLIVER CHANNEL OF A SPINNING PREPARATION MACHINE.

Applicant : RIETER INGOLSTADT SPINNEREIMASCHINENBAU AG., A GERMAN COMPANY, OF POSTFACH 100960, 8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY.

Inventors :

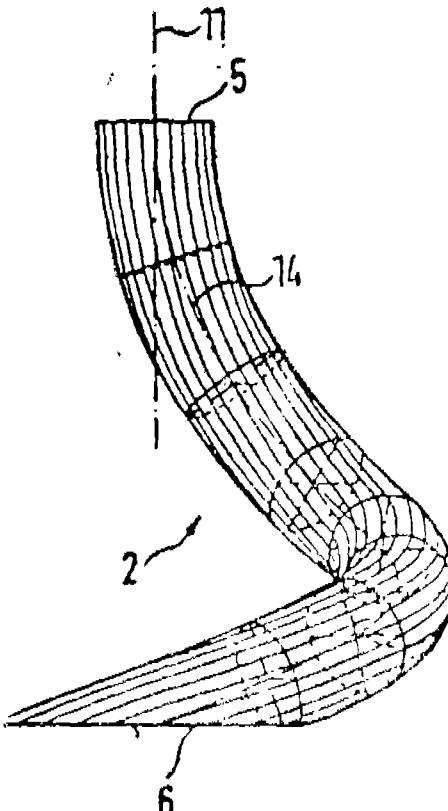
1. MAHRT GUNTER.
2. OEXLER RUDOLF.

Application No. 23/Mas/1993 filed on 19th January, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

9 Claims

A sliver channel of a spinning preparation machine for depositing sliver in a container, wherein the sliver channel (2) is made in the form of a helix having a constant pitch at the end (6) thereof facing the container (10) and an increasing pitch towards the end (5) thereof remote from the container (10).



(Compl. Specn. 15 pages;

Drawings. 3 sheets.)

Ind. Cl. : 190 B

181436

Int. Cl.⁴ : F 16 J 15/00.

characterized in that the said drive comprises a polechangeable three-phase asynchronous motor (3).

SEALS FOR A GAS ISOLATOR.

Applicant : WES TECHNOLOGY INC. A U. S. CORPORATION (DELAWARE) OF 4600 WEST SEGERSTROM AVE., SANTA ANA, CA 92704 U.S.A.

Inventor : SQUIRRELL, ANTON FREDERICK.

Application No. 048/Mas/1993 filed on 27th January, 1993.

(Convention date 28th Jan., 1992; No. 9201762.3; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A seal for a gas isolator which comprises a cantilever leaf spring to be attached to a fixed frame or a movable member of the isolator, and at least one bias spring acting on the leaf spring, and a clamping support bar disposed below the cantilever leaf spring for clamping and supporting the latter, characterized by at least one additional damping element clamped between the cantilever leaf spring and the fixed frame or movable member, and further characterized by a bias spring clamping bar to clamp the bias spring, the bias spring clamping bar being located on the opposite side of the movable member or frame member from the clamping/support bar, and wherein the clamping/support bar is of a width less than the width of the bias spring clamping bar.

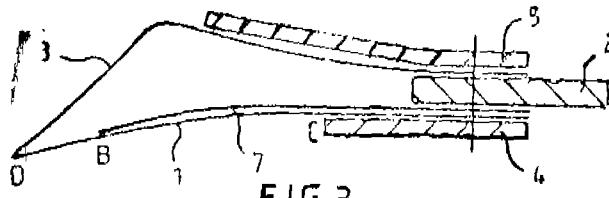


FIG 3

(Compl. Specn. 19 pages;

Drwgs. 2 sheets.)

Ind. Cl. : 63 A 2 & 1

181437

Int. Cl.⁴ : H 02 K 17/00.

A CARDING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND OF CH-8406 W'NTERTHUR, SWITZERLAND.

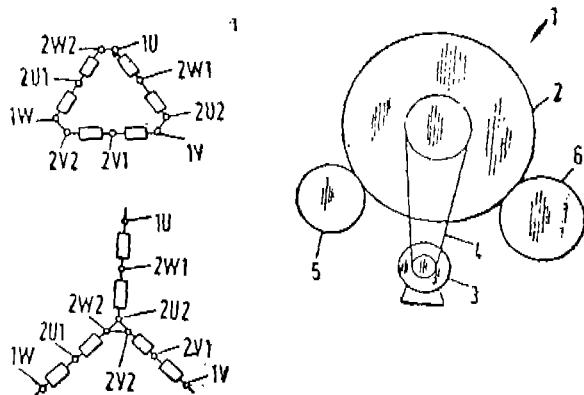
Inventor : JAGER WOLFGANG.

Application No. : 58/Mas/93 filed on 29th Jan, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

10 Claims

A carding machine comprising a card cylinder (2), a licker in (5) a doffer (6) and a drive for the cylinder (2), 3—107GI/98



(Compl. : 12 pages;

Drwgs. : 1 Sheet)

Ind. Cl. : 169 A

181438

Int. Cl.⁴ : F 41 H 5/02.

HOUSING FOR THE BALLISTIC PROTECTION OF PERSONS AND/OR OBJECTS.

Applicant : AKZO FASTER AG, KAINOSTRASSE 19-21, W-4600 WUPPERTAL 1 AND FRIED, KRUPPA-HÖSCH, EBERHARDSTRASSE 12, W-4600 DORTMUND I FEDERAL REPUBLIC OF GERMANY BOTH ARE OF GERMAN NATIONALITY.

Inventors :

- (1) DR. ACHIM FELS,
- (2) MICHAEL MOHR,
- (3) GUNTER DIETRICH,
- (4) KARLHEINZ PIEL,
- (5) HANS-WERNER SCHULTE,
- (6) PAUL-WERNER REINEHR.

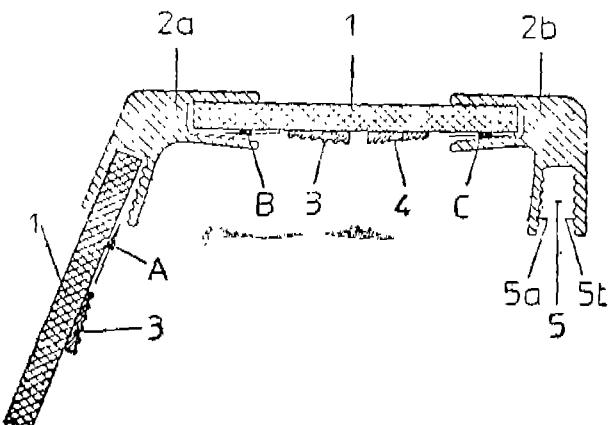
ALL ARE GERMAN CITIZENS.

Application No. : 184/Mas/93 filed on 15th March, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

12 Claims

Housing for the ballistic protection of persons and/or objects, having plates (1) as housing walls which are joined together via section bars (2), characterised in that the plates are compressible at least in the region which serves for location in the section bars (2) and in that the section bars have at least one channel (5) enclosing in each case one plate edge and into which this plate edge is inserted with compression of the edge region.



(Compl. : 12 pages;

Drwgs. : 3 Sheets)

Ind. Cl. : 83 A 1

181439

Int. Cl.⁴ : A 23 L 1/00.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

PROCESS FOR COOKING EXTRUSION OF BIOPOLYMERS.

Applicant : SCHAAF TECHNOLOGIE GMBH OF OTTO-HAHN-STRASSE, D-65520 BAD CAMBERG, GERMANY, A GERMAN COMPANY.

Inventor : HEINZ SCHAAF.

Application No. : 1486/Mas/95 filed on 17th November, 1995.

Divided out of No. 821/Mas/93 Ante dated to 17-11-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

7 Claims

A process for cooking extrusion of biopolymers comprising :

placing a biopolymeric material to be extruded in a cooker extruder having a screw, and at least one spatula pump comprising a plate with a matrix of holes and at least one spatula element, said spatula element being passable over said plate with a matrix of holes; extruding the biopolymeric material through the cooker-extruder; and passing said spatula element over said plate with a matrix of hole to cause a pressure increase and thus a liquefaction of fluid vapor generated from said biopolymeric material in front of said passing spatula element and to cause a decrease in pressure behind said passing spatula element, thereby allowing an evaporation of the fluid contained in the biopolymeric material, to produce thermally treated biopolymers.

(Compl. : 33 pages;

Drwgs. : 14 Sheets)

Ind. Cl. : 127 F

181440

Int. Cl.⁴ : F 16 H 1/42.

AN IMPROVED SPUR GEAR.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. POST., MADRAS-600 036, TAMIL NADU, INDIA, AN AUTONOMOUS BODY SET UP BY THE GOVERNMENT OF INDIA UNDER AN ACT OF PARLIAMENT.

Inventor : DR. ADDEPALLI RAMAMOHANA RAO.

Application No. : 410/Mas/1993 filed on 16th June, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

02 Claims

An improved spur gear characterised by teeth with radially located drilled through-holes disposed in a direction parallel to the axis of the said gear, on the tooth centre line thereof.

(Compl. Specns. : 7 pages;

Drwg. : 01 Sheet)

Cl. : 27 G, L, F.

181441

Int. Cl.⁴ : E 04 C 1/24, E 04 C 2/30, E 04 C 5/01.

A SHOCK-ABSORPTION WALL STRUCTURE FOR A BUILDING.

Applicant : CHANG FU-CHUAN, A CITIZEN OF REPUBLIC OF CHINA, OF 4 D-11, TAIPEI WORLD TRADE CENTRE, NO. 5, HSIN YI ROAD, SEC. 5, TAIPEI, TAIWAN, REPUBLIC OF CHINA.

Inventor : CHANG-FU-CHUAN.

Application No. : 146/Cal/93; filed on 11-03-1993.

Convention No. 9206120.9; filed on 20-03-92; in United Kingdom.

13 Claims

A shock absorption wall structure for a building comprising a plurality of primary beams to be assembled in the form of a frame;

a plurality of secondary beams attachable between pairs of parallel primary beams;

One of more panels attachable to a plurality of secondary beams wherein the stresses between plates are absorbed by resilient members.

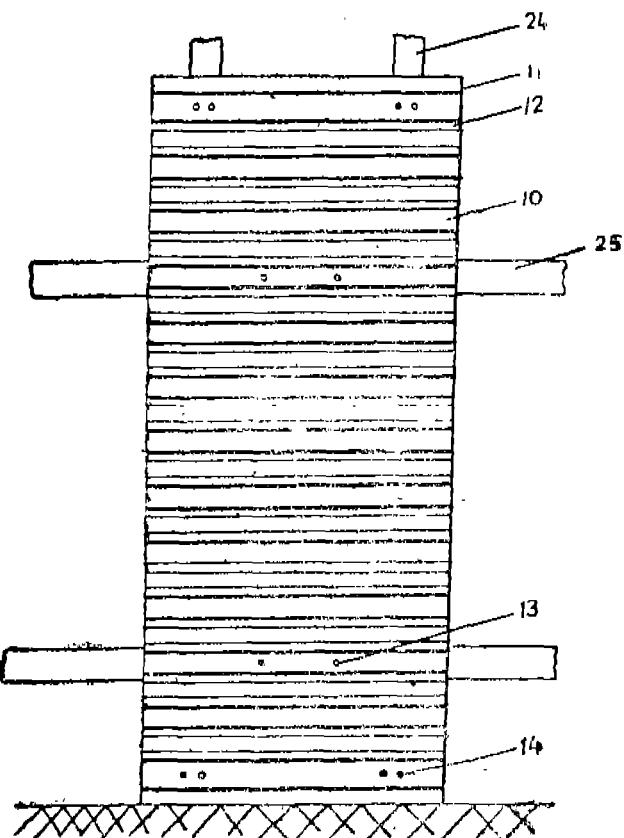


Fig. 7

(Compl. Specns. : 15 pages;

Drawing : 08 Sheets)

Cl. : 32 E.

181442

Int. Cl.⁴ : C 08 F 6/00.

A PROCESS FOR PRODUCING AN ARTICLE OF ARAMID.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, MANUFACTURERS OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors :

- (1) CHARLES EDWARD JACKSON, JR.,
- (2) ROBERT VALENTINE KASOWSKI,
- (3) KIU-SEUNG LEE.

Application No. : 147/Cal/1994; filed on 09-03-1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A process for producing an article of aramid such as poly(p-phenylene terephthalamide) or

poly-(m-phenyleneisophthalamide) with reduced flammability which comprises containing an aqueous solution of a tungsten compound with an article of a solvent aramid or a never dried aramid as herein described to introduce 0.1 to 25% by weight of tungsten in the article sufficient to reduce its flammability and then drying the article and the process is carried out at a temperature of 25-110°C.

(Complete Specification : 10 pages; Drawing : Nil)

Cl. : 173 A 181443

Int. Cl. : B 05 D 1/21, 1/40.

DEVICE FOR LACQUERING OR COATING OF PLATES.

Applicant : STEAG MICROTECH GMBH, OF CARL-BENZ-STRABE 10, D-72124 PLIEZHAUSEN, GERMANY.

Inventors :

- (1) EBERHARD MUHLFRIEDEL,
- (2) ARMIN KUBELBECK,
- (3) TORSTEN GERISCH,
- (4) KARL APPICH.

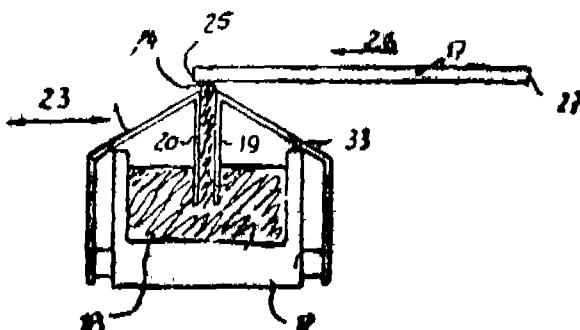
Application No. : 317/Cal/1993; filed on 8th June, 1993.

(Complete Specification left after provisional on 3-5-1994).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

Device for lacquering or coating of plates (17) by a capillary slot (24) characterised in that the slot (24) formed between two parallel plates (19, 20) extends within a channel having a liquid coating medium thereon and across which a plate (17) is advanced by means of a linear transport device with a surface to be lacquered or coated facing downwardly so that a thin layer is deposited on the plate (17) by capillary action by said slot (24).



(Compl. Specs. : 10 pages; Drgn. : 1 Sheet)
(Prov. Specn. : 13 pages; Drgn. : Nil)

Cl. : 68 E 1 181444
Int. Cl. : G 05 F 1/08.

DEVICE CIRCUIT FOR BIPOLAR TRANSISTORS AND BALLAST INVERTER PROVIDED WITH SUCH CIRCUIT.

Applicant : PHILIPS ELECTRONICS N. V. (FORMERLY KNOWN AS N. V. PHILIPS' GLOEILAMPENFABRIEKEN), A LIMITED LIABILITY COMPANY ESTABLISHED AND ORGANIZED UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, AT GROENEWOUDESEWEG 1, 5621 BA EINDHOVEN, THE NETHERLANDS.

Inventor : GRADZKI PAWEŁ MIROSLAW.

Application No. : 819/Cal/93; filed on 28-12-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

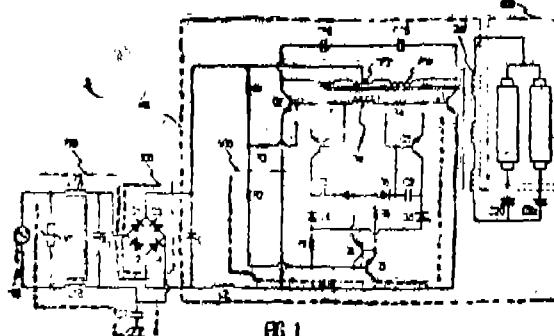
9 Claims

A driving circuit for one or more bipolar transistors, each transistor having a base and a minority carrier charge, comprising :

reference voltage means (such as C2, C3, R1, R2, R9, D5, D8, TW, R4; R5, E2, base-emitter junction of Q2, base-emitter junction of Q1) for producing a reference voltage associated with each transistor;

current supply means (such as TW, R4, R5, Q5, R6, D6, D7) for supplying current to the base of each transistor based on the associated reference voltage; and

feedback means (such as Q3, Q4 base-collector junction of Q1, base-collector junction of Q2, R4, R5, PW, TW) for varying the reference voltage associated with each transistor and comprising switching means (such as Q3, Q4), associated with each transistor and responsive to the conductive state of that transistor for controlling the reference voltage.



(Complete Specifications : 18 pages; Drawing : 02 Sheets)

Cl. : C 03 B 5/00 181445

Int. Cl. : 90 I.

A DEVICE FOR MANUFACTURING FLAT GLASS.

Applicant : SAINT GOBAIN VITRAGE INTERNATIONAL, OF "LES MIROIRS," 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE, A FRENCH COMPANY.

Inventors :

- (1) M. JOSE ANTONIO COTO MUNIZ,
- (2) M. LUIS GRIJALBA GOICOECHEA,
- (3) M. MAURICE LEMAILLE.

Application No. : 175/Cal/94; filed on 18-03-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

27 Claims

Device for manufacturing flat glass comprising a channel and a crown for the transfer of the molten glass from the production zone to the shaping zone, characterised in that said device incorporates means for the thermal conditioning of the glass, glass homogenising means (15, 16, 17, 18) and in particular thermal homogenising means (37) and degassing

Inventors :

1. MACIEJ KIEDIK
2. ANDRZEJ KRUEGER
3. JOZEF KOLT
4. ANTONI KOREK
5. WOJCIECH BALCEROWIAK
6. JACEK HETTER
7. MARIA MAJCHRZAK
8. JAN NIEDZIELA
9. RYSZARD KOSCIUK
10. ANNA RZODECZKO
11. JERZY MROZ
12. ZBIGNIEW SWIDERSKI

Application No. : 407/Cal/94 filed on 30-5-94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

02 Claims

A method for the treatment of an ion exchange catalyst for obtaining a modified catalyst, which is used for the process of bisphenol-A synthesis, to yield bisphenol-A with reduced sulphur content, wherein the catalyst forms an acid ion exchange bed of a sulphonated styrene-divinylbenzene copolymer containing 2—50% divinylbenzene, in hydrogen form, and having a moisture content of up to 85% by weight, said method comprising the steps or sequence of:

- (a) passing phenol containing 0.01—2% by weight water through the cation exchange bed at a temperature in the range 50°—90°C to provide a resultant first effluent containing 40—99.5% by weight phenol and 0.5—60% by weight water,
- (b) running said resultant first effluent through a basic anion exchange resin to obtain a resultant second effluent,
- (c) removing water from the second effluent by distillation to obtain a dewatered phenol,
- (d) recycling said dewatered phenol through the cation exchange bed and its resultant first effluent throughout anion exchange resin until the water content of said cation exchanger is at or below 15% by weight,
- (e) washing the catalyst bed at a temperature of 60°—100°C with a mixture consisting of 35—50% by weight phenol, 0.5—5% by weight of acetone, 5—20% by weight of bisphenol-A, 0.5—30% by weight of the phenol-acetone condensation reaction by-products and 0.1—3% by weight of water,
- (f) contacting the effluent with the basic ion exchange resin; and
- (g) recycling said contacted effluent through said cation exchange bed and basic ion exchange resin until the cation exchanger has a moisture content of not more than 5% by weight.

(Compl. Specn. : 11 pages;

Drgs. : Nil)

Application No. : 424/Cal/1994 filed on 7th June, 1994.

(Convention No. : 9312312.3 on 15-6-93 in U.K.).

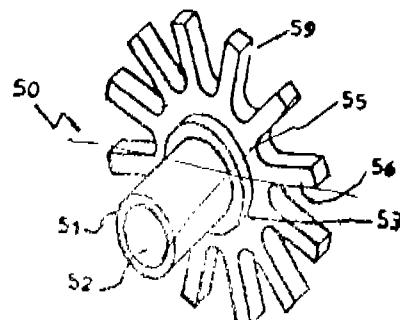
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

An armature end protector (50), for a wound rotor of an electric motor, comprising a hub (51) and a radially extending body portion (55) with radially extending spokes (56), characterized in that the hub (51) and body portion (55) are separate parts fitted together;

in that the hub (51) is made of a heat resistant electrically insulating plastics material; and

in that the body portion (55) is made of a deformable heat resistant electrically insulating material.



(Compl. Specn. : 10 pages;

Drgs. : 3 sheets)

Ind. Cl. : 112 F

181450

Int. Cl. : F21V 7/04

"LUMINAIRE".

Applicant : PHILIPS ELECTRONICS N.V., OF GROENEWOUDSFWEG 1, 5621 BA EINDHOVEN, THE NETHERLANDS.

Inventor : HENDRIK WIJBENGA.

Application No. 722/Cal/1994 filed on 9th September, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A luminaire comprising :

a concave reflector (1) having an optical axis (2), an optical centre (2') on said axis, a light emission window (3), and a reflecting surface (5) which surrounds the optical axis, is built up from plane facets (4), and has a plane of symmetry (6), which facets are arranged in rows (7) which each extend to the light emission window (3), between first planes (8), and in addition are bounded by second planes (9) which are substantially parallel to one another and transverse to the first planes (8), whereby the first planes (8) are mutually substantially parallel and substantially parallel to the plane of symmetry (6) and whereby the second planes (9) are substantially parallel to the optical axis (2).

means (30) for accommodating an electric light source (31') inside the reflector (1) in a plane transverse to the plane of symmetry (6) and in the optical centre (2'), characterized in that

the first planes (8) are mutually substantially parallel and substantially parallel to the plane of symmetry (6), and

Ind. Cl. : 63 B

181449

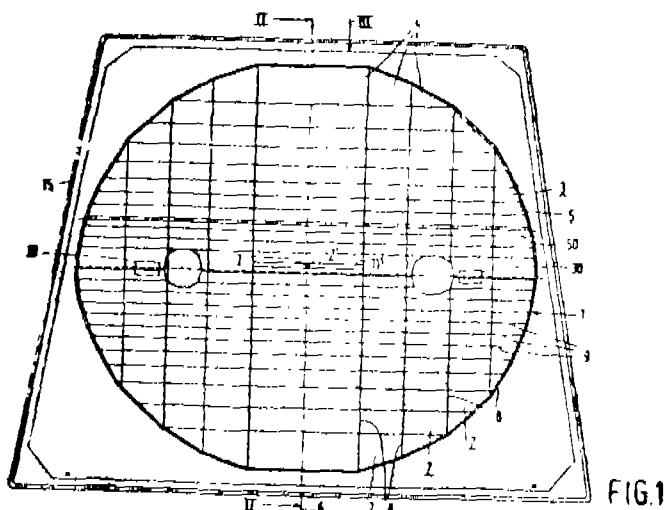
Int. Cl. : H02 K 1/30

"ARMATURE END PROTECTOR FOR A WOUND ROTOR OF AN ELECTRIC MOTOR".

Applicant : JOHNSON ELECTRIC S. A., OF 125 RUE DU PROGRES CH-2300 LA CHAUX-DE-FONDS SWITZERLAND.

Inventor : KAM SHING MOK.

the second planes (9) are substantially parallel to the optical axis (2).



(Compl. Specn. : 15 pages;

Drgns. : 15 sheets)

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 389/Cal/92 (178823) made by MONTELL NORTH AMERICA INC. and SPHERILENE S.P.A. has been allowed to proceed in the name of MONTELL NORTH AMERICA INC. and MONTELL TECHNOLOGY COMPANY BV.

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165735 165747 166628 173042 179055 179073 179076 179058
178016 171827 172377 175648 172511 172378 174955 175035
175836 175990 177089 176997 177581 174686 161868 177793
171136 178354 175971 176073 167556 179103 179112 179106
175044 163456 176239 176572

PATENT SEALED ON 15-05-98

179162* 179163* 179164* 179165 179166 179167*D
179168*D 179169*D 179170*F 179174* 179176 179179*D
179180*D

CAL—NIL, DEL—04, MUM—NIL, CHEN—09.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act., 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents

F—Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 174380, Sanjeev Khosla and Aarti Khosla of S-158, Greater Kailash Part II, New Delhi-110048, both Indians, "TWIN BEAM HEADLIGHT ON OVAL MOUNTING", 24th July 1997.

Class 1. No. 174259, Ravi Ray, Sitaram Path, Near Kamla Video Hall, Chakradharpur, West Singhbhum, Bihar 833102, India, an Indian national, "SOLID BIOMASS CHULHA", 9th July 1997.

Class 1. No. 173736, Prasanna Madhukar Bagade, of 437, Satyam 'A' Sadarbazar, Satara 415001, Maharashtra, India, Indian national, "GLASS RUNNER", 30th April 1997.

Class 1. No. 173740, Prasanna Madhukar Bagade, of 437, Satyam 'A' Sadarbazar, Satara 415001, Maharashtra, India, Indian national, "SLIDING DOOR FITTING", 30th April 1997.

Class 1. No. 173742, Prasanna Madhukar Bagade, of 437, Satyam 'A' Sadarbazar, Satara 415001, Maharashtra, India, Indian national, "WINDOW ROLLER", 30th April 1997.

Class 3. No. 173743, Prasanna Madhukar Bagade, of 437, Satyam 'A' Sadarbazar, Satara 415001, Maharashtra, India, Indian national, "WINDOW ROLLER", 30th April 1997.

Class 3. No. 173671, Universal Healthwatch Inc., an U. S. Company incorporated in the State of Florida, of 8990 Route 108, Suite E, Columbia, Maryland 21045, U.S.A., "DIAGNOSTIC TEST DEVICE", 21st April 1997.

Class 3. No. 173672, Universal Healthwatch Inc., an U. S. Company incorporated in the State of Florida, of 8990 Route 108, Suite E, Columbia, Maryland 21045, U.S.A., "ROUND DIAGNOSTIC TEST DEVICE", 21st April 1997.

Class 3. No. 173814, Manoj Seals and Locks, 112, New Prince market, 1st Floor, Ulhasnagar 421003, Dist. Thane, Maharashtra, India, an Indian sole proprietor firm, "SEALING DEVICE", 6th May 1997.

Class 3. No. 173837, Zenith Finvest Pvt. Ltd., an Indian company of 4th floor, Trust House, 32A, Chittaranjan Avenue, Calcutta 700012 West Bengal, India, "PEG MEASURE", 8th May 1997.

Class 3. No. 173813, Nice Enterprises, 10 Gandhi Industrial Estate, Safed Pool, Kurla Andheri Road, Bombay 400072, Maharashtra, India, an Indian sole proprietor firm, "ELECTRIC LINE TESTER", 6th May 1997.

H. D. THAKUR
Controller General of Patents Designs & Trademarks

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